

Claims

- [c1] 1.A method for securing a shank tube to a receiver tube to minimize relative motion between the shank tube and receiver tube, said method comprising the steps of:
providing an elongated pin;
providing a threaded portion on said elongated pin;
providing a nut having a threaded portion for engagement with said threaded portion of said elongated pin;
aligning said nut within the shank tube with opposing side holes formed in the shank tube;
inserting the shank tube within the receiver tube until the opposing side holes of the shank tube are aligned with opposing side holes of the receiver tube;
inserting said elongated pin through the opposing side holes formed in the receiver tube and through the opposing side holes formed in the shank tube; and
engaging said threaded portion of said elongated pin with said threaded portion of said nut until the side wall of said shank tube is firmly engaged by the inner side wall of said receiver tube.
- [c2] 1.2.The method of claim 1 wherein said step of aligning said nut within the shank tube includes:

providing means for maintaining the alignment of said nut within the shank tube.

[c3] 1.3.The method of claim 1 wherein said step of aligning said nut within the shank tube includes:
providing a spring to align said nut within the shank tube.

[c4] 1.4.The method of claim 1 wherein said step of aligning said nut within the shank tube includes:
providing an elastomer member to align said nut within the shank tube.

[c5] 1.5.The method of claim 1 wherein said step of aligning said nut within the shank tube includes:
providing a resilient member to align said nut within said shank tube.

[c6] 6.The method of claim 1 wherein said method further comprises:
providing a locking member to prevent unauthorized removal of said pin from the shank tube and the receiver tube.